

Collecting driving data and promoting greener driving through ITS

TECHNOLOGY: Eco-driving

DENSO conceived of Eco-driving as an adjunct to an intelligent transport system to provide feedback on actual driving to help motorists drive more efficiently.

Data would be acquired from the car by an Internet-connected ITS platform, which would collect data on fuel consumption, engine speed, throttle position, air-conditioning usage, idle time, and other such data from the car. That data would be transmitted over the Internet to a probe center, which would analyze the data and provide feedback to the driver, with advice on fixing wasteful driving habits.

In a test covering 111 vehicles in February 2003, this feedback was found to reduce CO₂ emissions by 6%, while idling time (including time spent at stoplights) was reduced 12% overall.

Based on these results, DENSO is optimistic that an Eco-driving feedback system could be another piece in the puzzle of cleaner, more efficient driving.

